

Hot Runner System Components of Two Materials and Method of Manufacture

Abstract of Disclosure

A method of manufacturing a variety of injection molding hot runner system components using two materials. Blanks for portions of the components are formed of each material and fused, preferably by electron beam welding, then the component having the two portions is machined to its final configuration. Components made with this process include nozzle tip components such as tips, tip retainers, and tip inserts, as well as manifold bushings, valve stems and nozzle housings.